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ROLE OF TF IN ARTHRITIS

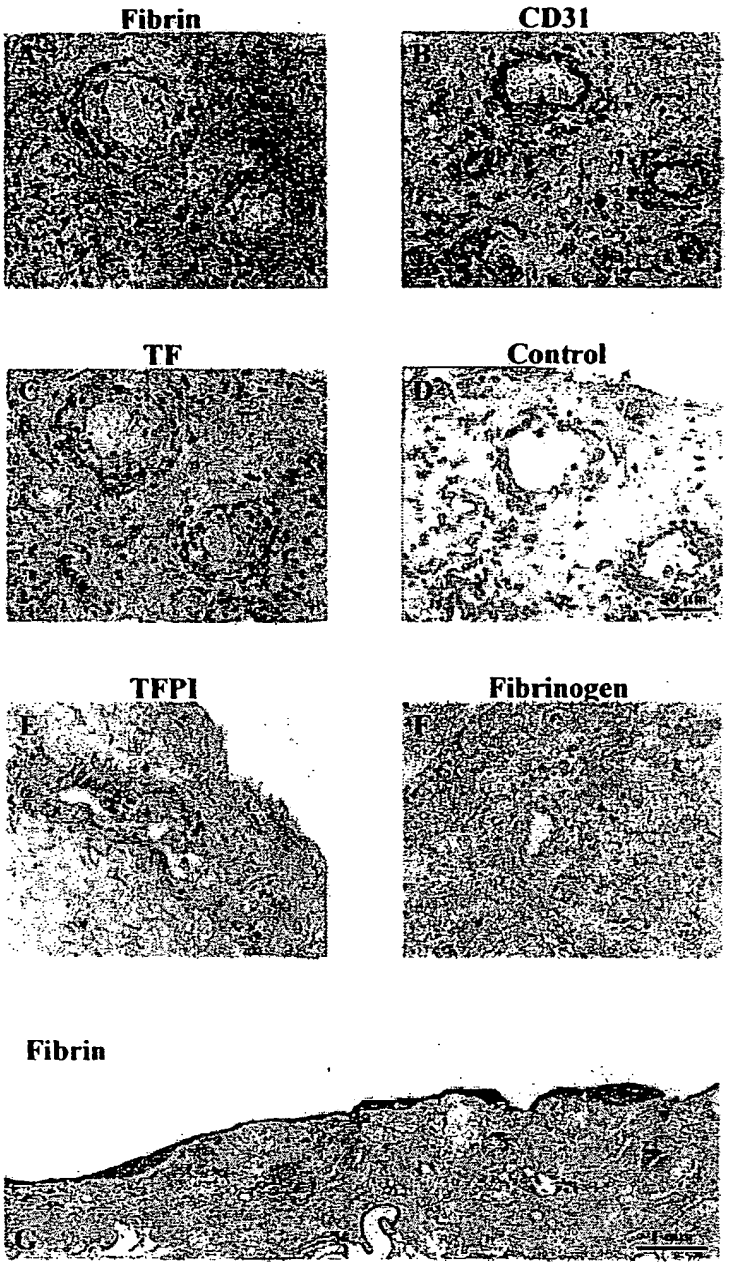


Figure 1. Immunohistochemical analysis of rheumatoid arthritis (RA) synovial tissues. Cryostat sections were stained with specific anti-fibrin (A and G), anti–tissue factor pathway inhibitor (TFPI) (E), anti-fibrinogen (F), anti-CD31 (B), and anti–tissue factor (anti-TF) (C) antibodies. Brown color indicates positivity. A composite from adjacent microscopic fields is shown in G. Preadsorption of the TF antibody with an 8× molar excess of recombinant TF (specificity control) eliminated the staining.

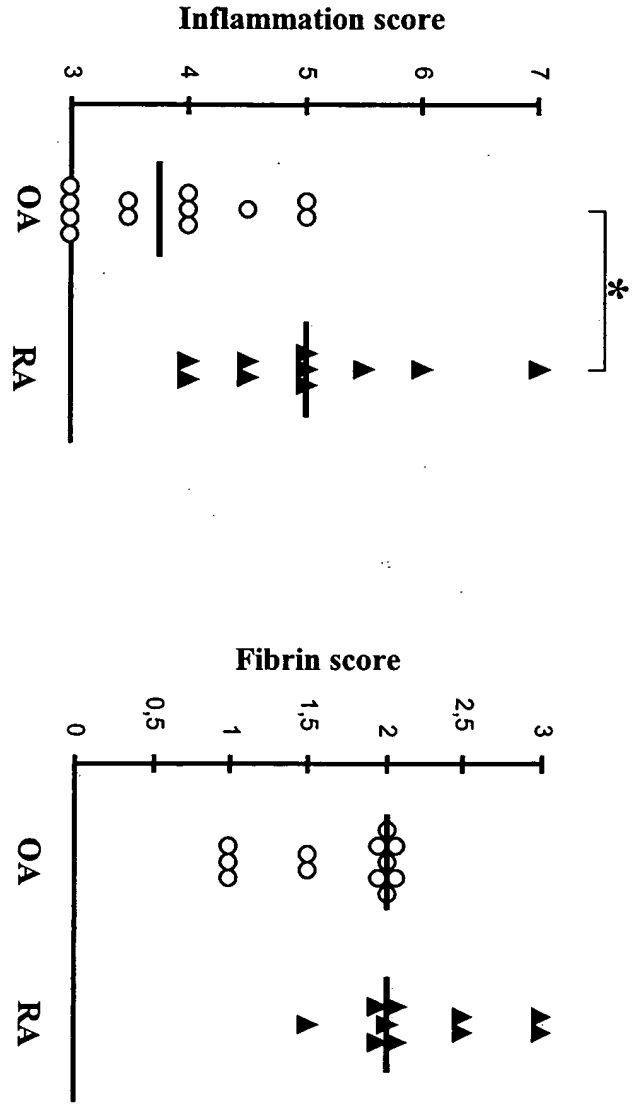


Figure 2 : Busso et al.

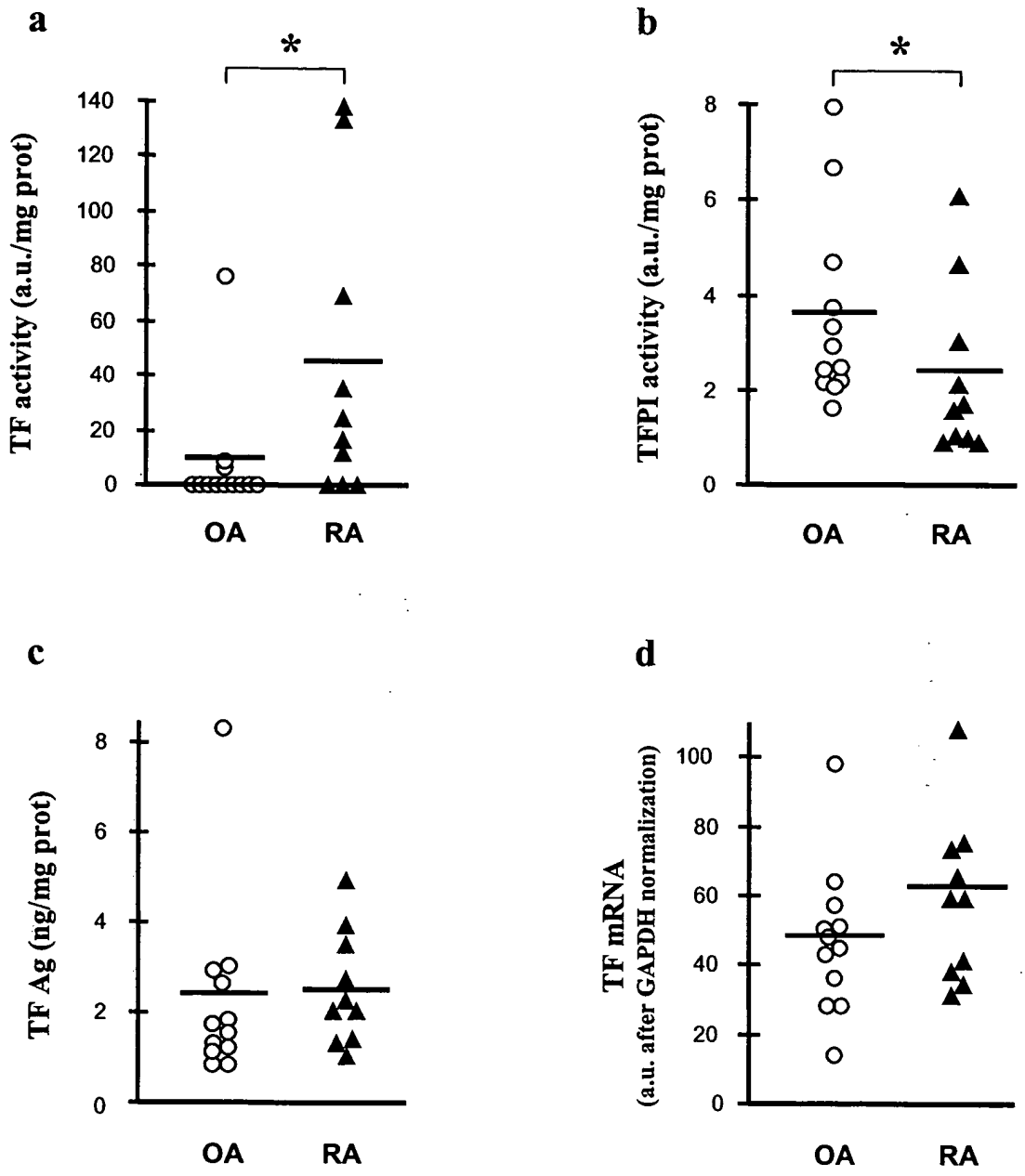


Figure 3 : Busso et al.

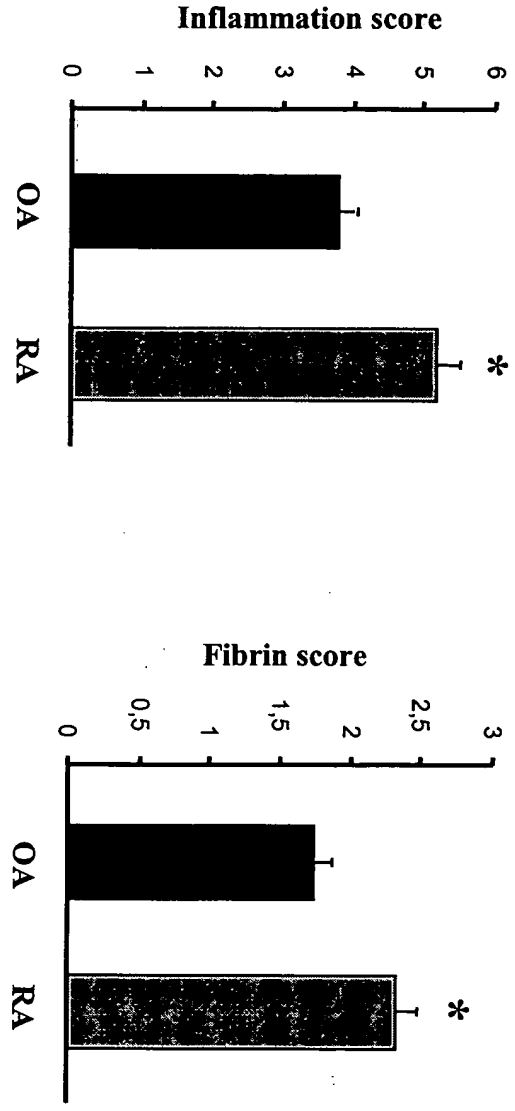


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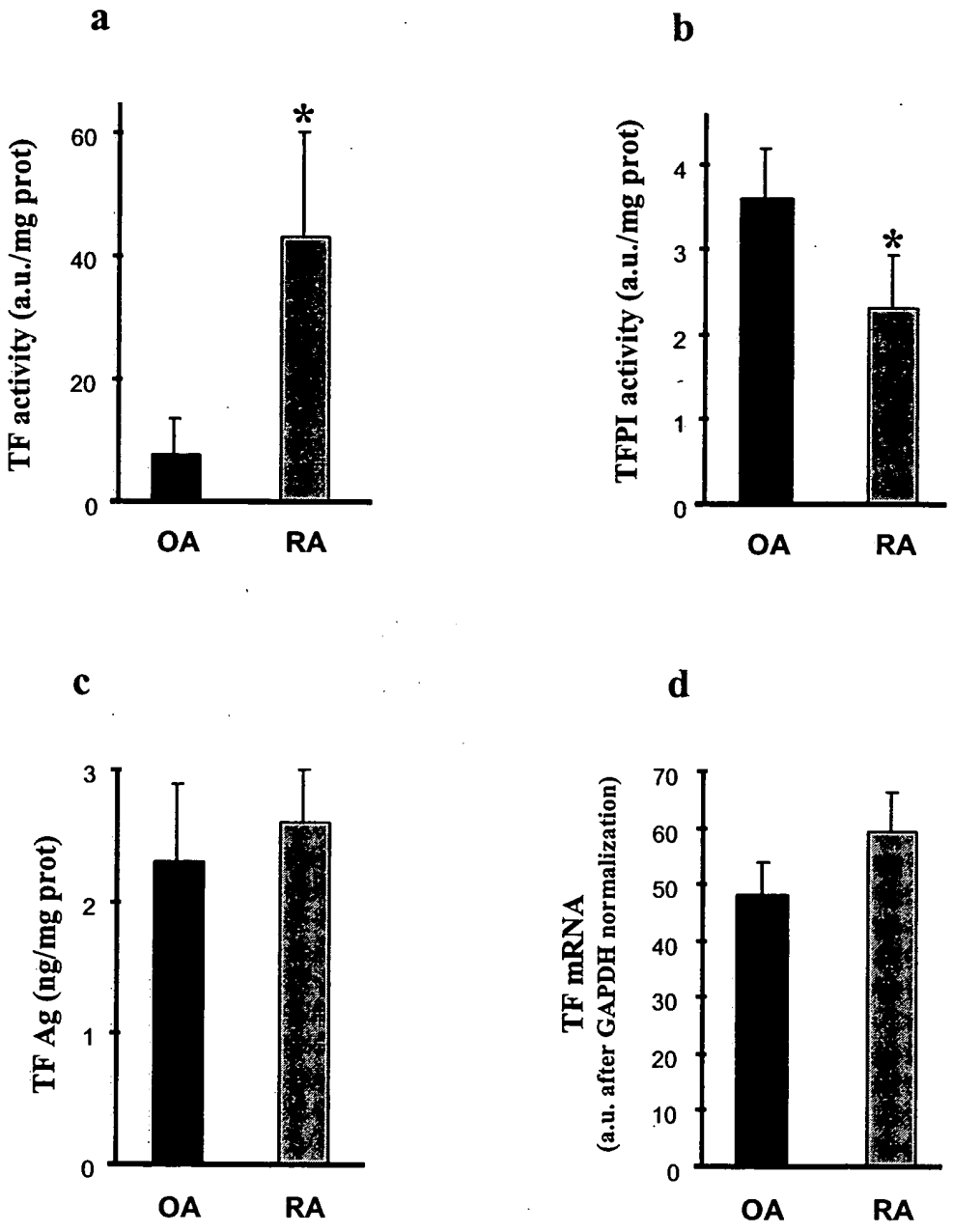


Figure 3 : Busso et al.

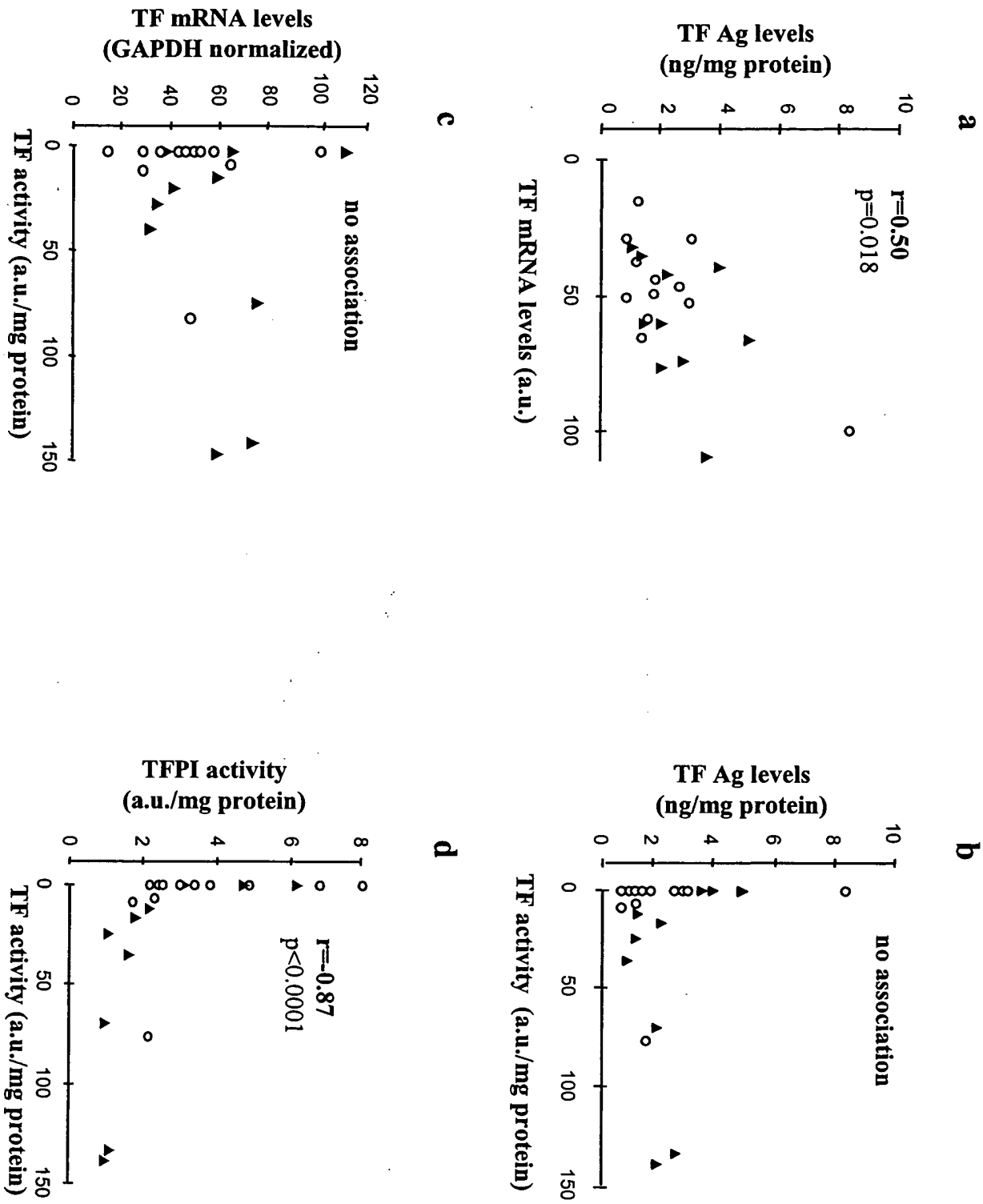


Figure 4 : Busso et al.

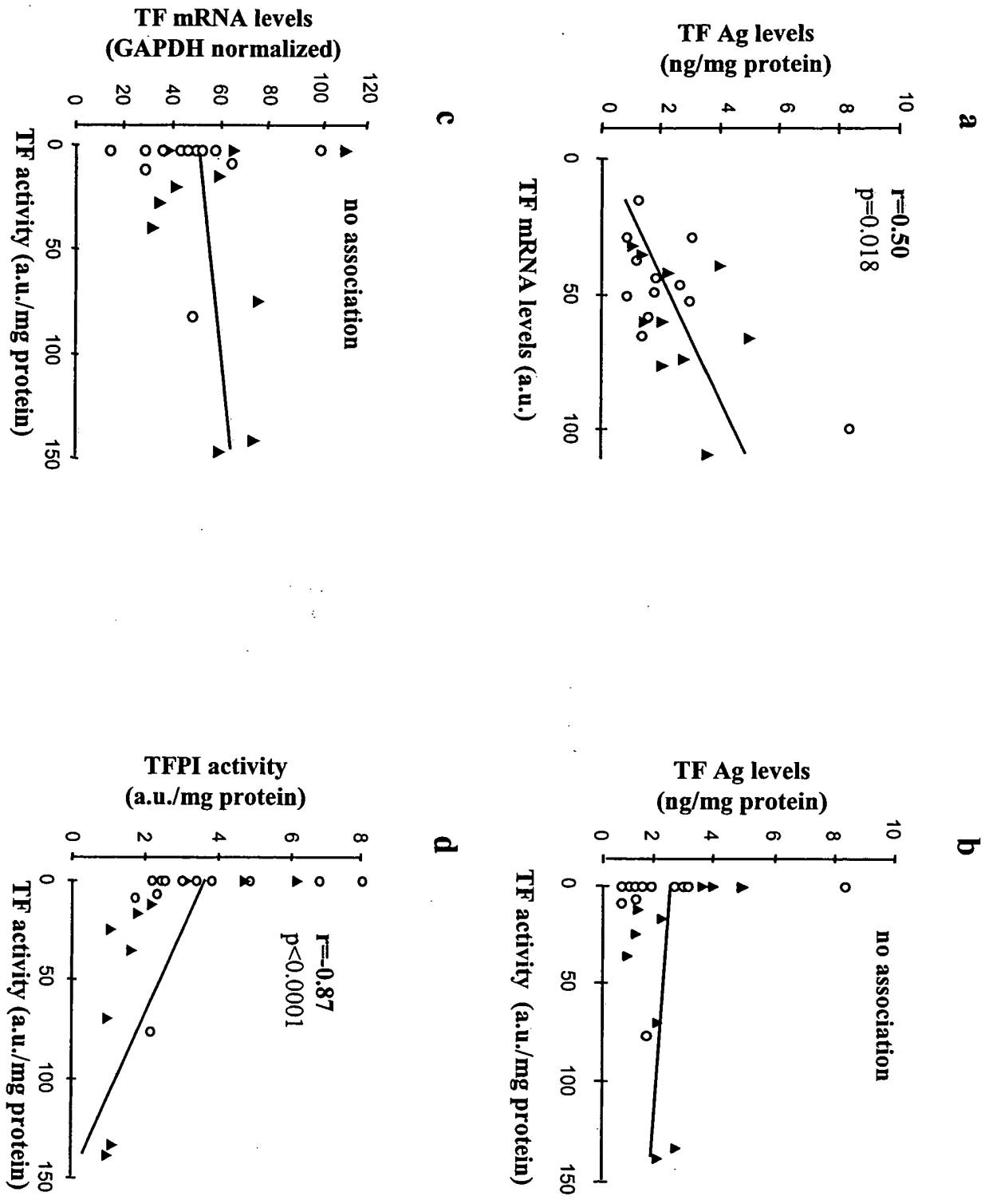


Figure 4 : Busso et al.

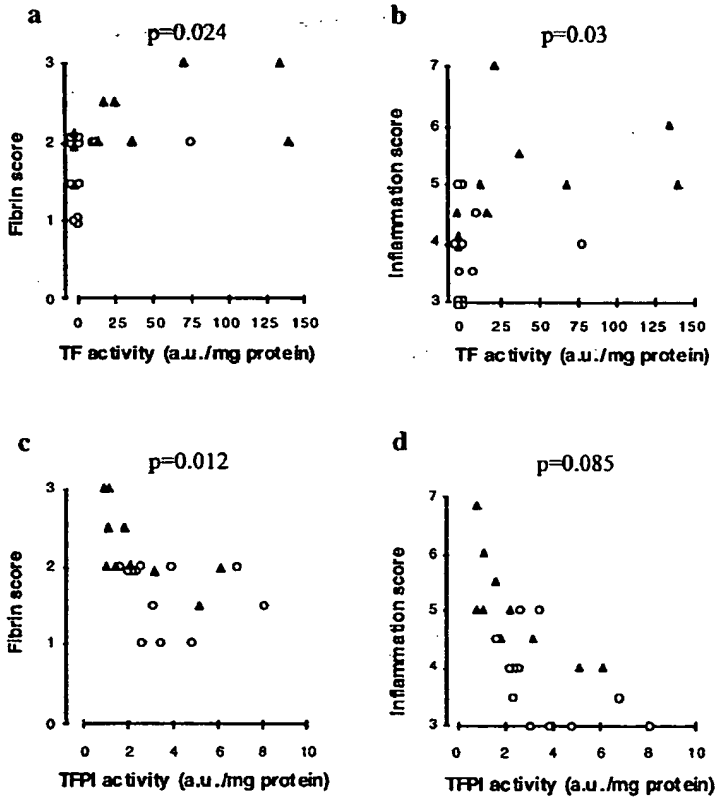


Figure 5. Associations between tissue factor (TF) activity, TF pathway inhibitor (TFPI) activity, and histologic scores. Among all patients, TF activity was significantly associated with the synovial fibrin score (a) and the inflammation score (b). Conversely, TFPI activity was negatively associated with the fibrin score (c) but not with the inflammation score (d). Associations were determined by Fisher's exact test. a.u. = arbitrary units.

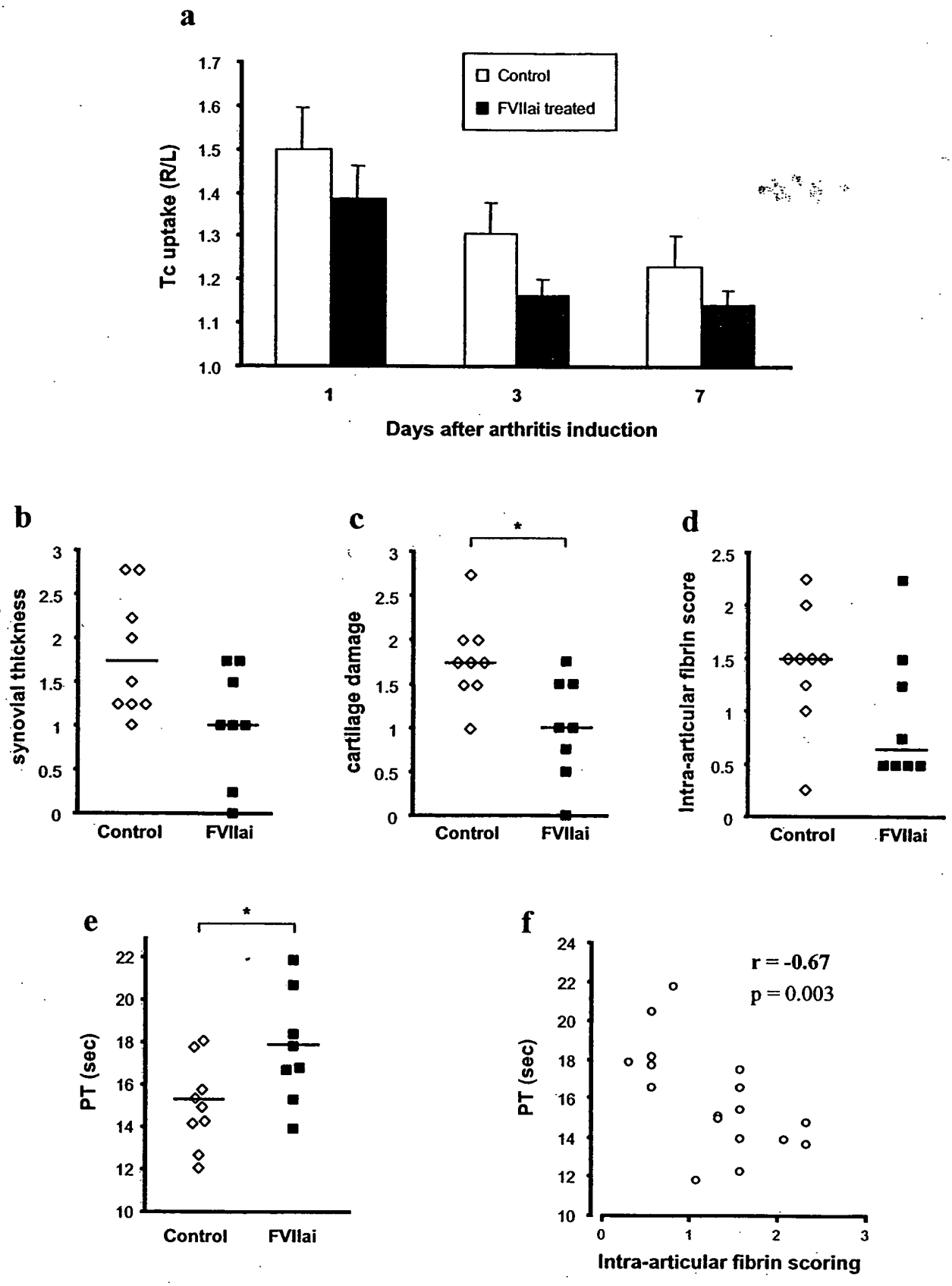


Figure 6 : Busso et al.

Figure 7. Results of double staining wins anti TF and other antibodies on RA synovium (Staining was performed on synovial tissue specimens obtained from patients with rheumatoid arthritis (RA), using antibodies as described. Anti TF = anti tissue factor.)

Marker	Cell type	Staining with Anti-TF antibody	Localization of double positive cells
CD3	T cell	-	None seen
CD31	Endothelium	-	None seen
	Subset of macrophages	± (few cells)	In the lining layer and sublining tissue
CD68	Macrophage	++	Abundant staining in the lining and sublining tissue
Vimentin	Fibroblast	++	Abundant staining in the lining and sublining tissue and perivascular areas